BRUHATH BANGALORE MAHANAGARA PALIKE

DASARHALLI ZONE

DIVISION:- DASARAHALLI DIVISION

NAME OF WORK: Construction of Cement concrete roads and other works at Abbigere colony from 1st to 6th cross in Ward No.12 Shettyhalli, Shettyhalli Sub Divison.

Estimated Cost: 50.00 Lakhs

P code: P1878

Jobcode: 012-19-000013

1st and Part bill E-Measurement Book

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of work : Construction of concrete roads and other works at Abbigere colony from 1st cross to 6th cross in ward no 12, Shettyhalli sub Division

First and Part Bill

Measurement Recorded in :

Sl. No	Description of work	No	L	B	D	Qty
2	Removing B.S. Slab of Drain and Stacking complete as per the Direction of Engineer-in-charge of the work					
	RCC drain 65 mtr	1	30.00	1.65		49.50
		1	30.00	1.65		49.50
		1	5.00	1.65		8.25
	RCC drain 191 mtr	1	30.00	1.65		49.50
		1	30.00	1.65		49.50
		1	30.00	1.65		49.50
		1	30.00	1.65		49.50
		1	30.00	1.65		49.50
		1	30.00	1.65		49.50
		1	11.00	1.65		18.15
	RCC drain 60 mtr	1	30.00	1.65		49.50
		1	30.00	1.65		49.50
					Total	**521.40**
					Limited to 453.75	**453.75**
						Sqm

Assistant Engineer
Ward No.12
BBMP, Bengaluru

24/02/2020.

Assistant Executive Engineer
Shettyhalli Sub Divison
BBMP, Bengaluru

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me of work : Construction of concrete roads and other works at Abbigere colony from 1st cross to 6th cross in ward no 12, Shettyhalli sub Division

First and Part Bill

asurement Recorded in :

	Description of work	No	L	B	D	Qty
3	**Earthwork excavation by manual means in Ordinary soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work, including Conveying the excavated earth silt, debris and over burden earth etc., to lead of 0 to 5 kms distance by using private vehicle this includes the cost of loading and unloading charges etc., complete as per the direction of Engineer-in-charge of the work					
	RCC drain 65 mtr	1	30.00	1.20	1.10	39.60
		1	30.00	1.20	1.10	39.60
		1	5.00	1.20	1.10	6.60
	RCC drain 191 mtr	1	30.00	1.20	1.10	39.60
		1	30.00	1.20	1.10	39.60
		1	30.00	1.20	1.10	39.60
		1	30.00	1.20	1.10	39.60
		1	30.00	1.20	1.10	39.60
		1	30.00	1.20	1.10	39.60
		1	11.00	1.20	1.10	14.52
	RCC drain 60 mtr	1	30.00	1.20	1.10	39.60
		1	30.00	1.20	1.10	39.60
	Desilting Abbigere main road LHS	1	27	0.45	0.45	5.47
		1	29	0.45	0.45	5.87
		1	29	0.45	0.45	5.87
		1	27.8	0.45	0.45	5.63
		1	28	0.45	0.45	5.67
		1	31	0.45	0.45	6.28
		1	103	0.45	0.45	20.86
		1	149	0.45	0.45	30.17
		1	101	0.45	0.45	20.45
		1	25	0.45	0.45	5.06
		1	31	0.45	0.45	6.28
		1	36.5	0.45	0.45	7.39
	Desilting Abbigere main road RHS	1	47	0.45	0.45	9.52
		1	20	0.45	0.45	4.05
		1	23	0.45	0.45	4.66
		1	128	0.45	0.45	25.92
		1	24	0.45	0.45	4.86

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	1	41	0.45	0.45	8.30
	1	21	0.45	0.45	4.25
	1	24	0.45	0.45	4.86
	1	26	0.45	0.45	5.27
	1	27	0.45	0.45	5.47
	1	58	0.45	0.45	11.75
	1	82	0.45	0.45	16.61
	1	91	0.45	0.45	18.43
	1	107	0.45	0.45	21.67
	1	137	0.45	0.45	27.74
				Total	**715.46**
					Cum

26/02/2020.

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me of work : Construction of concrete roads and other works at Abbigere colony from 1st cross to 6th cross in ward no 12, Shettyhalli sub Division

First and Part Bill

asurement Recorded in :

	Description of work	No	L	B	D	Qty
4	KSRRB M2100 -10. **Plain cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46 cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scafofolding and centering complete as per specifications MORTH Specification No. 2100					
	RCC drain 65 mtr	1	30.00	1.10	0.15	4.95
		1	30.00	1.10	0.15	4.95
		1	5.00	1.10	0.15	0.83
	RCC drain 191 mtr	1	30.00	1.10	0.15	4.95
		1	30.00	1.10	0.15	4.95
		1	30.00	1.10	0.15	4.95
		1	30.00	1.10	0.15	4.95
		1	30.00	1.10	0.15	4.95
		1	30.00	1.10	0.15	4.95
		1	11.00	1.10	0.15	1.82
	RCC drain 60 mtr	1	30.00	1.10	0.15	4.95
		1	30.00	1.10	0.15	4.95
					Total	**52.14**
						Cum

03/03/2020.

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ne of work : Construction of concrete roads and other works at Abbigere colony from 1st cross to 6th cross in ward no 12, Shettyhalli sub Division

First and Part Bill

surement Recorded in :

Description of work	No	L	B	D	Qty
Providing laying palin / reinforced cement concrete for **side Drain using M20 nominal mix concrete** with OPC at 300 kgs with 20 mm and down size granite metal coarse aggregates at 0.69 cum fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom **including centering, shuttering, cost of materials,** HOM of machinery, curing etc., completet excluding cost of steel ae per MMORTH specification No 1500, 1700, 2200. including cost of materials, labour, HOM completet as per specificatios. wall and bottom thickness 15 cms					
RCC drain 65 mtr	1	30.00	0.90	0.15	4.05
	2	30.00	0.15	0.65	5.85
	1	30.00	0.90	0.15	4.05
	2	30.00	0.15	0.65	5.85
	1	5.00	0.90	0.15	0.68
	2	5.00	0.15	0.65	0.98
RCC drain 191 mtr	1	30.00	0.90	0.15	4.05
	2	30.00	0.15	0.65	5.85
	1	30.00	0.90	0.15	4.05
	2	30.00	0.15	0.65	5.85
	1	30.00	0.90	0.15	4.05
	2	30.00	0.15	0.65	5.85
	1	30.00	0.90	0.15	4.05
	2	30.00	0.15	0.65	5.85
	1	30.00	0.90	0.15	4.05
	2	30.00	0.15	0.65	5.85
	1	30.00	0.90	0.15	4.05
	2	30.00	0.15	0.65	5.85
	1	11.00	0.90	0.15	1.49
	2	11.00	0.15	0.65	2.15
RCC drain	1	30.00	0.90	0.15	4.05
	2	31.10	0.15	0.65	6.06
	1	30.00	0.90	0.15	4.05
	2	31.10	0.15	0.65	6.06
				Total	**104.71**
					Cum

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10/03/2020.

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me of work : Construction of concrete roads and other works at Abbigere colony from 1st cross to 6th cross in ward no 12, Shettyhalli sub Division

First and Part Bill

surement Recorded in :

Description of work	No	L	B	D	Qty
KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3					
	9	30.00	2.3	0.62	385.02
	14	30.00		0.62	260.4
	9	30.00	2.3	0.62	385.02
	14	30.00		0.62	260.4
	9	5.00	2.3	0.62	64.17
	14	5.00		0.62	43.4
	9	30.00	2.3	0.62	385.02
	14	30.00		0.62	260.4
	9	30.00	2.3	0.62	385.02
	14	30.00		0.62	260.4
	9	30.00	2.3	0.62	385.02
	14	30.00		0.62	260.4
	9	30.00	2.3	0.62	385.02
	14	30.00		0.62	260.4
	9	30.00	2.3	0.62	385.02
	14	30.00		0.62	260.4
	9	30.00	2.3	0.62	385.02
	14	30.00		0.62	260.4
	9	11.00	2.3	0.62	141.174
	14	11.00		0.62	95.48
	9	30.00	2.3	0.62	385.02
	14	30.00		0.62	260.4
	9	32.00	2.3	0.62	410.688
	14	32.00		0.62	277.76
					6841.452
				Total	**6.841**
				Limited to 6.70	**6.700**
					MT

10/03/2020

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First and Part Bill

Measurement Recorded in :

Description of work	No	L	B	D	Qty
Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)					
RCC drain 65 mtr	1	30.00	0.90		27.00
	1	30.00	0.90		27.00
	1	5.00	0.90		4.50
RCC drain 191 mtr	1	30.00	0.90		27.00
	1	30.00	0.90		27.00
	1	30.00	0.90		27.00
	1	30.00	0.90		27.00
	1	30.00	0.90		27.00
	1	30.00	0.90		27.00
	1	11.00	0.90		9.90
RCC drain 60 mtr	1	30.00	0.90		27.00
	1	30.00	0.90		27.00
Abbigere Main Roads	1	28.00	0.9		25.20
	1	25.00	0.9		22.50
	1	20.00	0.9		18.00
	1	23.00	0.9		20.70
	1	24.00	0.9		21.60
Pipieline road	1	11.10	0.9		9.99
				Total	**402.39**
					Cum

23/03/2020

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First and Part Bill

surement Recorded in :

	Description of work	No	L	B	D	Qty
8	Removing and resetting of foot path slab elc, complete as per specifications and as per the direction of Engineer in charge of the work					
	Desilting Abbigere main road LHS	1	27.00	0.90		24.3
		1	29.00	0.90		26.1
		1	29.00	0.90		26.1
		1	27.80	0.90		25.02
		1	31.00	0.90		27.9
		1	103.00	0.90		92.7
		1	148.50	0.90		133.65
		1	101.00	0.90		90.9
		1	31.00	0.90		27.9
		1	36.50	0.90		32.85
	Desilting Abbigere main road RHS	1	47.00	0.90		42.3
		1	128.00	0.90		115.2
		1	24.00	0.90		21.6
		1	41.00	0.90		36.9
		1	21.00	0.90		18.9
		1	22.00	0.90		19.8
		1	26.00	0.90		23.4
		1	27.00	0.90		24.3
		1	58.00	0.90		52.2
		1	82.00	0.90		73.8
		1	91.00	0.90		81.9
		1	102.00	0.90		91.8
					Total	1109.51
						Sqm

Assistant Engineer 23/03/2020.
Ward No.12
BBMP, Bengaluru

Assistant Executive Engineer
Shettyhalli Sub Divison
BBMP, Bengaluru